OJCS 544-76
15 MAR 1976

MEMORANDUM FOR:   Deputy Director for Administration

FROM          :   Harry E. Fitzwater
                  Director of Joint Computer Support

VIA           :   Assistant for Resources, DD/A

SUBJECT       :   DDS&T Research, Development and Engineering
                  Projects Related to DD/A Requirements

REFERENCE     :   Memo to D/OJCS fm AR-DD/A (DD/A 76-0445),
                  dtd 24 February 1976, Same Subject


        1.  Reference memorandum had attached to it papers describing
various DDS&T projects.  Those which were initiated on behalf of,
or at the request of, OJCS are listed below:

| Project | Initiated by |
| --- | --- |
| Bus Commo Network | ORD |
| Advanced Tech Seminars | OJCS |
| Minicomputer DMS | OJCS |

        2.  I believe the remaining questions in reference are best
answered by briefly describing our interface with ORD.  OJCS has a
close working relationship with ORD, formalized through an OJCS/ORD
Coordinating Committee chaired by Mr. ████████████, Deputy
Chief, Systems Engineering Division.  Monthly meetings, attended
by interested personnel in OJCS and ORD, are held to review the
progress of projects of interest to OJCS.  OJCS is also represent-
ed on the steering committee of various RD&E projects.  We have
found this to be a highly satisfactory arrangement.

        3.  With regard to the initiation and selection of RD&E pro-
jects of interest to OJCS, the following procedure has been followed
for the past two years.  Each year ORD gives OJCS a list and a
description of current and proposed projects.  Mr. ████████ forms
a working group to review these projects and suggest additional
projects.  The results of this working group are forwarded to
OJCS Division and Staff Chiefs for discussion and ranking.
Finally, Director, OJCS forwards a composite ranking to Director,
ORD, along with comments on selected projects.  A copy of this
year's memorandum is attached.

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4. I am confident that we have a viable and effective relationship with ORD and we are receiving proper RD&E support for our activities.

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HARRY E. FITZWATER

Att

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OJCS-302-76

24 FEB 1976

MEMORANDUM FOR:   Director of Research and Development

SUBJECT        :   FY77-78 Planning for Research and Exploratory
                   Development

REFERENCE      :   Your Memo, ORD#5115-75, dated 5 Dec 75, Same
                   Subject

    1.   In accordance with procedures outlined in the
referenced memorandum, this Office has undertaken a review
of requirements for support by the Office of Research and
Development for FY77-78.  Over thirty current and new projects
were reviewed in detail by an OJCS task team and the OJCS
management.

    2.   The attached list of twenty-two projects, which is
submitted here for consideration in your FY77 program call,
represents the OJCS ranking of projects which have been
proposed by OJCS personnel or have been suggested by members
of your Data Processing Research and Development Division.
Our jointly produced proposals are also attached.  Although
we have ranked a great number of proposals, we expect that
your resources will only permit you to address a few of the
higher priority projects.

    3.   The ranking of these projects has been influenced
by our perception of the overall usefulness of these projects
to the OJCS mission and our estimate of the appropriateness
of ORD involvement in these activities.  The security assess-
ment projects, which are of great interest to OJCS, have been
ranked low because we feel that security assessment falls
within the scope of the Office of Security.  Other projects
were ranked low because we felt that they should be performed
within OJCS.

    4.   In addition to those projects which have been ranked,
we would like to express our continuing interest in projects
which you may be undertaking in FY77 on behalf of other offices.
Projects dealing with Computer Support to Field Stations, Inter-
active Cartographic Systems and Geographic Inference-Making
Aids all involve OJCS to a great extent and we would expect
to contribute manpower resources to these projects for both
implementation and project review.  We have an especially
high interest in the Minicomputer Data Base Management Project

which has been underway jointly in our two offices. We would, of course, wish to remain well informed of other computer related activities, such as the proposed project dealing with Voice Input to Computers.

5. We look forward to the continued support of ORD to our activities. If you require further information on these subjects, please contact ████████████████ f the Systems    STATINTL
Engineering Division, Extension ████████████████                        STATINTL

STATINTL.    Advanced Computer ████████ ████████████████████████████████

4.    Hardware Implemented Te.████████████████████████████████

                                        HARRY E. FITZWATER
5.    Remote Page Viewing **Director of Joint Computer Support**

**Attachments:** A/S    Digital Data

**Distribution:**    ████████ Facilities for General Use
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STATINTL    9.    Optic 1 ████████████████ ████ion
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## OJCS RANKING OF PROPOSED ORD PROJECTS

1. Wide Band Communications

2. Next Generation DBMS

3. Advanced Computer Technology Seminars

4. Hardware Implemented Text Search

5. Remote Page Viewing

6. Archiving of Digital Data

7. Text Production Facilities for General Use

8. Mass Storage Study

9. Optical Character Recognition

10. User Authentication

11. Custom Microprogramming

12. GIM Security Assessment

13. Text Analysis Techniques

14. VM/370 Security Assessment

15. Personal File Processing

16. Multi-System Terminal Access

17. APL Enhancement

18. Advanced Terminal Experiment

19. System Development Methodology

20. Programmer Productivity

21. Interactive Terminal Human Factors Survey

22. Coins Interface